

**Project Name:** BUD  
**Project Code:** BUD      **Site ID:** P636      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (WA)

**Site Information**

<b>Desc. By:</b>	H.M. Churchwood	<b>Locality:</b>	1.8KM north of Bloodwood Well - on east side of road:
<b>Date Desc.:</b>	06/08/69	<b>Elevation:</b>	610 metres
<b>Map Ref.:</b>	Sheet No. : 2849 1:100000	<b>Rainfall:</b>	230
<b>Northing/Long.:</b>	119.666666666667	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	-24.116666666667	<b>Drainage:</b>	Imperfectly drained

**Geology**

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Unconsolidated material (unidentified)

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Alluvial fan
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Fan	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	0 %	<b>Aspect:</b>	180 degrees

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Ferric Duric Red Kandosol	<b>Principal Profile Form:</b>	Um5.3
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Desert loam

No analytical data and little or no knowledge of this soil.

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:** Low Strata - Tussock grass, , . \*Species includes - None recorded  
Mid Strata - Chenopod shrub, , . \*Species includes - None recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A	0 - 0.025 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 20-50%, fine gravelly, 2-6mm, Gravel, coarse fragments; Field pH 5 (pH meter); Gradual change to -
	0.025 - 0.05 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Very weak consistence; 10-20%, fine gravelly, 2-6mm, Gravel, coarse fragments; Field pH 5 (pH meter); Diffuse change to -
	0.05 - 0.1 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Sandy loam; Massive grade of structure; Earthy fabric; Very weak consistence; Field pH 5.5 (pH meter); Diffuse change to -
	0.1 - 0.2 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Sandy loam; Massive grade of structure; Earthy fabric; Very weak consistence; Field pH 5.5 (pH meter); Diffuse change to -
	0.2 - 0.3 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Very weak consistence; Field pH 5.5 (pH meter); Diffuse change to -
	0.3 - 0.4 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Very weak consistence; Field pH 6 (pH meter); Diffuse change to -
	0.4 - 0.6 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Weak consistence; 10-20%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6 (pH meter); Diffuse change to -
	0.6 - 0.7 m	Weak red (10R4/4-Moist); Red (2.5YR4/8-Dry); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Weak consistence; 20-50%, fine gravelly, 2-6mm, Substrate material, coarse fragments; Field pH 6 (pH meter); Diffuse change to -
	0.75 - 0.8 m	Red (2.5YR4/8-Moist); ; Few (2 - 10 %), Manganiferous, , Concretions; Fragipan, Moderately cemented, Massive;

**Morphological Notes**

**Observation Notes**

40-70CM AL GV IS FERRUGINOUS: 0-5CM SOME GRAVELS ATTRACTED BY MAGNET:

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile